SmartWatchSDK配置手册

# 设备配置说明

## device.kt

设备自身配置信息，包括设备产品信息、产品类型信息、产品能力列表等；

参考附录。

|  |  |  |  |
| --- | --- | --- | --- |
| **字段** | **类型** | **必须** | **说明** |
| product.id | String | 是 | 产品标识 |
| product.clientId | String | 是 | 产品Client标识 |
| product.name | String | 是 | 产品名称 |
| product.model | String | 是 | 产品型号 |
| product.manufacturer | String | 是 | 产品工厂信息 |
| displayCategories | String[] | 是 | 设备类型 |
| connettions | Object[] | 是 | 设备连接信息，未使用 |
| capabilities | Object[] | 是 | 设备能力定义 |

## endpoint\_define.kt

设备外设定义信息，包括所有外设的基础信息、类型信息、能力列表等；

配置数据为数组，即可以定义多个外设；一个定义可以被多个外设引用。

|  |  |  |  |
| --- | --- | --- | --- |
| **字段** | **类型** | **必须** | **说明** |
| id | String | 是 | 定义标识，用于索引 |
| type | String | 是 | 基础类型，暂不使用 |
| displayCategories | String[] | 是 | 外设类型，用于Avs App显示 |
| capabilities | Object[] | 是 | 能力定义 |

## endpoints.kt

设备外设配置信息，包括设备外设的定义、标识、型号、工厂信息等；

配置数据为数组。

|  |  |  |  |
| --- | --- | --- | --- |
| **字段** | **类型** | **必须** | **说明** |
| define | String | 是 | 外设定义标识 |
| id | String | 是 | 外设标识，用于SetInfo时索引 |
| model | String | 是 | 外设型号 |
| manufacturer | String | 是 | 外设工厂信息 |

# 外设配置说明

# 附录

## device.kt

{

"product": {

"id": "VWRK4\_Module",

"clientId": "amzn1.application-oa2-client.a0c1ba72a7d4443bb4436cdc9cf8fa51",

"name": "Touch",

"model": "Touch-1",

"manufacturer": "TouchManufacturer"

},

"displayCategories": [

"MUSIC\_SYSTEM",

"SPEAKER"

],

"connections": [

{

"type": "TCP\_IP",

"value": "127.0.0.1"

}

],

"capabilities": [

{

"type": "AlexaInterface",

"interface": "Alexa",

"version": "3"

},

{

"type": "AlexaInterface",

"interface": "Alexa.ApiGateway",

"version": "1.0"

},

{

"type": "AlexaInterface",

"interface": "Notifications",

"version": "1.0"

},

{

"type": "AlexaInterface",

"interface": "Alexa.DoNotDisturb",

"version": "1.0"

},

{

"type": "AlexaInterface",

"interface": "Speaker",

"version": "1.0"

},

{

"type": "AlexaInterface",

"interface": "Alerts",

"version": "1.5",

"configurations": {

"maximumAlerts": {

"overall": 10,

"alarms": 5,

"timers": 5

}

}

},

{

"type": "AlexaInterface",

"interface": "System",

"version": "2.1",

"configurations": {

"locales": [

"de-DE",

"en-AU",

"en-CA",

"en-GB",

"en-IN",

"en-US",

"es-ES",

"es-MX",

"es-US",

"fr-CA",

"fr-FR",

"hi-IN",

"it-IT",

"ja-JP",

"pt-BR",

"ar-SA"

],

"localeCombinations": [

["en-US", "es-US"],

["es-US", "en-US"],

["en-US", "fr-FR"],

["fr-FR", "en-US"],

["en-US", "de-DE"],

["de-DE", "en-US"],

["en-US", "ja-JP"],

["ja-JP", "en-US"],

["en-US", "it-IT"],

["it-IT", "en-US"],

["en-US", "es-ES"],

["es-ES", "en-US"],

["en-IN", "hi-IN"],

["hi-IN", "en-IN"],

["fr-CA", "en-CA"],

["en-CA", "fr-CA"]

]

}

},

{

"type": "AlexaInterface",

"interface": "SpeedRecognizer",

"version": "2.3",

"configurations": {

"wakeWords": {

"scopes": [

"DEFAULT"

],

"values": [

"ALEXA"

]

}

}

},

{

"type": "AlexaInterface",

"interface": "SpeechSynthesizer",

"version": "1.3"

},

{

"type": "AlexaInterface",

"interface": "AudioPlayer",

"version": "1.4",

"configurations": {

"fingerprint": {

"package": "android.media.MediaPlayer",

"buildType": "DEBUG",

"versionNumber": "1.0"

}

}

},

{

"type": "AlexaInterface",

"interface": "TemplateRuntime",

"version": "1.2"

}

]

}

## endpoint\_define.kt

[

{

"id": "Spot",

"type": "PowerController",

"displayCategories": [

"LIGHT"

],

"capabilities": [

{

"type": "AlexaInterface",

"interface": "Alexa",

"version": "3"

},

{

"type": "AlexaInterface",

"interface": "Alexa.PowerController",

"version": "3",

"properties": {

"supported": [

{

"name": "powerState"

}

],

"proactivelyReported": true,

"retrievable": true

}

}

]

},

{

"id": "GarageDoor",

"type": "Alexa.ModeController",

"displayCategories":["GARAGE\_DOOR"],

"capabilities": [

{

"type": "AlexaInterface",

"interface": "Alexa.ModeController",

"instance": "GarageDoor.Position",

"version": "3",

"properties": {

"supported": [

{

"name": "mode"

}

],

"retrievable": true,

"proactivelyReported": true

},

"capabilityResources": {

"friendlyNames": [

{

"@type": "asset",

"value": {

"assetId": "Alexa.Setting.Mode"

}

}

]

},

"configuration": {

"ordered": false,

"supportedModes": [

{

"value": "Position.Up",

"modeResources": {

"friendlyNames": [

{

"@type": "asset",

"value": {

"assetId": "Alexa.Value.Open"

}

},

{

"@type": "text",

"value": {

"text": "Open",

"locale": "en-US"

}

}

]

}

},

{

"value": "Position.Down",

"modeResources": {

"friendlyNames": [

{

"@type": "asset",

"value": {

"assetId": "Alexa.Value.Close"

}

},

{

"@type": "text",

"value": {

"text": "Closed",

"locale": "en-US"

}

}

]

}

}

]

},

"semantics": {

"actionMappings": [

{

"@type": "ActionsToDirective",

"actions": ["Alexa.Actions.Close", "Alexa.Actions.Lower"],

"directive": {

"name": "SetMode",

"payload": {

"mode": "Position.Down"

}

}

},

{

"@type": "ActionsToDirective",

"actions": ["Alexa.Actions.Open", "Alexa.Actions.Raise"],

"directive": {

"name": "SetMode",

"payload": {

"mode": "Position.Up"

}

}

}

],

"stateMappings": [

{

"@type": "StatesToValue",

"states": ["Alexa.States.Closed"],

"value": "Position.Down"

},

{

"@type": "StatesToValue",

"states": ["Alexa.States.Open"],

"value": "Position.Up"

}

]

}

},

{

"type": "AlexaInterface",

"interface": "Alexa",

"version": "3"

}

]

},

{

"id": "LightMode",

"type": "Alexa.ModeController",

"displayCategories":["OTHER"],

"capabilities": [

{

"type": "AlexaInterface",

"interface": "Alexa.ModeController",

"instance": "LightMode.Color",

"version": "3",

"properties": {

"supported": [

{

"name": "mode"

}

],

"retrievable": true,

"proactivelyReported": true,

"nonControllable": false

},

"capabilityResources": {

"friendlyNames": [

{

"@type": "asset",

"value": {

"assetId": "Alexa.Setting.Color"

}

},

{

"@type": "text",

"value": {

"text": "light color",

"locale": "en-US"

}

}

]

},

"configuration": {

"ordered": false,

"supportedModes": [

{

"value": "Color.Blue",

"modeResources": {

"friendlyNames": [

{

"@type": "asset",

"value": {

"assetId": "Alexa.Value.Open"

}

},

{

"@type": "text",

"value": {

"text": "Open",

"locale": "en-US"

}

}

]

}

},

{

"value": "Color.Yellow",

"modeResources": {

"friendlyNames": [

{

"@type": "asset",

"value": {

"assetId": "Alexa.Value.Close"

}

},

{

"@type": "text",

"value": {

"text": "Closed",

"locale": "en-US"

}

}

]

}

}

]

},

"semantics": {

"actionMappings": [

{

"@type": "ActionsToDirective",

"actions": ["Alexa.Actions.Close"],

"directive": {

"name": "SetMode",

"payload": {

"mode": "Color.Yellow"

}

}

},

{

"@type": "ActionsToDirective",

"actions": ["Alexa.Actions.Open"],

"directive": {

"name": "SetMode",

"payload": {

"mode": "Color.Blue"

}

}

}

],

"stateMappings": [

{

"@type": "StatesToValue",

"states": ["Alexa.States.Closed"],

"value": "Color.Yellow"

},

{

"@type": "StatesToValue",

"states": ["Alexa.States.Open"],

"value": "Color.Blue"

}

]

}

},

{

"type": "AlexaInterface",

"interface": "Alexa",

"version": "3"

}

]

},

{

"id": "LightInput",

"type": "Alexa.InputController",

"displayCategories": ["OTHER"],

"capabilities": [

{

"interface": "Alexa.InputController",

"type": "AlexaInterface",

"version": "3.0",

"configurations": {

"inputs": [

{

"name": "HDMI1",

"friendlyNames": ["h1"]

},

{

"name": "HDMI2",

"friendlyNames": ["h2"]

}

]

}

}

]

}

]

## endpoints.kt

[

{

"define": "Spot",

"id": "lightSpot",

"model": "LightSpot01",

"manufacturer": "TouchManufacturer"

},

{

"define": "LightMode",

"id": "lightMode",

"model": "LightMode02",

"manufacturer": "TouchManufacturer"

},

{

"define": "GarageDoor",

"id": "garageDoor",

"model": "GarageExample",

"manufacturer": "TouchManufacturer"

},

{

"define": "LightInput",

"id": "lightInput",

"model": "InputMode2",

"manufacturer": "TouchManufacturer"

}

]